

DATE

SECRET

TO :

FROM :

ACTION:

INFO :

ROUTING			
1	MD	9	LS
2	"	10	
3	EDGA	11	
4	"	12	
5	D/A	13	
6	DDSA	14	
7	CC	15	
8	SS	16	

IN 63882

05A1-20

TO

INFO

CITE

SECRET 281910Z CITE

IMMEDIATE

IDEALIST

REF: (A)

(B)

1. THE DESCRIPTION OF FAILURE IN REF A APPEARS TYPICAL OF A DISC FAILURE RESULTING FROM OVER TEMPERATURE WITH RESULTANT FIRST STAGE BLADE SHINGLING AND SUBSEQUENT RIM SEPARATION AT THE FIR TREES. FROM THE DESCRIPTION WE BELIEVE IT TO BE THE SAME TYPE FAILURE THAT OCCURRED ON 515 APRIL 1965. ON 515 IT WAS DETERMINED THAT A GROUND START IN EMERGENCY THROTTLE POSITION HAD INADVERTENTLY OCCURRED 40 HOURS PRIOR TO FAILURE. WE ARE CONVINCED THAT THIS WAS CAUSATIVE TO THE ULTIMATE FAILURE. WE RECOMMEND A HARD SEARCH BY THE TEAM FOR A SIMILAR INCIDENT AND ALSO LOOK FOR DETERIORATION OF STARTER CART OR ALTERNATE DEPLOYMENT START EQUIPMENT.

2. WE WOULD LIKE TO SET THE RECORD CLEAR ON THIS TYPE FAILURE. THERE ARE NO RECORDED FAILURES OF THIS NATURE ON COMMERCIAL J75 WITH THE SAME P/N DISC. THERE IS NO RECORDED FAILURE OF THIS NATURE ON THE

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25X1

PAGE TWO CITE [REDACTED]

IN 63882

J75-P17 IN THE F106 AIRCRAFT WITH THE SAME P/N DISC. THERE HAS BEEN AND CONTINUES TO BE A RECORD OF FAILURES ON THE J75-P19W IN THE F105 AIRCRAFT ON THE SAME P/N DISC. THERE HAVE BEEN DEFINITELY ATTRIBUTED TO HOT/HUNG STARTS WITH THE OLDER STU 12 CARTRIDGE STARTER WITH LOW STARTER TORQUE. MORE RECENTLY IN VIETNAM THERE HAVE BEEN FAILURES ATTRIBUTED TO EXCESSIVE DISC RIM TEMPERATURES CAUSED BY DETERIORATED AND UPTIMMED ENGINES RELATED TO COMBAT CONDITIONS. WE DO NOT BELIEVE THE LATTER TO BE INVOLVED IN THIS CASE.

3. WE DO NOT CONCUR WITH THE GROUNDING RECOMMENDATION IN REF A AND THE GROUNDING ORDER IN REF B. WE BELIEVE THAT THE TWO FAILURES OF THIS NATURE OCCURRING ON THE P17 CONVERTED ENGINES IS COINCIDENCE, AND WE KNOW OF NO REASON TO SINGLE OUT THE P17 DISCS AS SUSPECT.

4. WE CONCUR WITH THE 15 HOUR CHECK LIMIT FOR 3RD STAGE BLADE SHINGLING ON ALL ENGINES UNTIL NEW P/N 504301 DISCS ARE RETROFITTED.

5. NEW P/N 504301 DISCS, PROCUREMENT OF WHICH WAS INITIATED AFTER THE INCIDENT OF 515, HAVE JUST BEGUN TO BE AVAILABLE. [REDACTED] WORKING ON RETROFIT PROGRAM. P611111 WILL BE FIRST ENGINE SHIPPED WITH NEW DISC.

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